

Attachment C – SIMSS Release 7 Installation Instructions

This attachment contains the instructions for installing the SIMSS Release 7 Server and Client, the Model Generator Prototype, and the Apogee Timing card. The installation instructions of the SIMSS client and server are described below first. The installation instructions of the Model Generator Prototype and the Apogee Timing card are covered next. The SIMSS must be installed on a personal computer based on an Intel Pentium processor and running Windows NT 4.0 or Windows 2000. The configuration used during testing is described below. Performance with other configurations is not guaranteed.

Common Name	Description
Computer	Intel Pentium II 400 Mhz 128 MB SDRAM PC100 6ns Micron, Matrox Millenium II 8MB AGP Video card, Toshiba 32x SCSI CD ROM Drive, Seagate 9.1 GB hard disk
Monitor	21” Monitor
Mouse	
Serial Card (optional)	Industrial Computer Source (ICS) SAB 82532: + Frequency : ~ 100 Hz - 2 MHz +Data Coding: NRZ, NRZ-L, Bi0, Bi0-L, Bi0-M +Orientation: LSB / MSB (Select manually) +Polarity: true/inverted (Select manually) +Sync Patterns: 16-bit +Frame Size: ~ 3 - 4096 bytes +Clock Source: Internal clock for Tx, external clock for Rx +Channel: 2 channels, each channel can be used for either Tx or Rx (for this version) AVTEC ISA serial card Frequency: 10Hz – 3 Mhz Data Coding: NRZ-L, NRZ-M, MRZ-S, BI0-L, BI0-M, BI0-S Orientation: LSB/MSB Polarity: TRUE/INVERTED Sync pattern: 32 bit Frame size: 64K Clock source: INTERNAL/EXTERNAL Reference clock: INTERNAL/EXTERNAL Channel : 2 channels – input and output
Apogee timing card (optional)	Apogee Ltd. Internal PB4 time and GMT External GPS receiver
Keyboard	
Operating Systems	Windows NT 4.0, Service Pack 6A; Windows 2000

Instructions for installation of the SIMSS Server and Client software

1. Insert the delivery media into the appropriate drive.
2. Go to the files on the installation media:
 - a) On the desktop, click on the Start button, and then select Run from the resulting menu.
 - b) When the Run window appears select the Browse... button.
 - c) From the Browse Window, select the CDROM drive that contains the installation disk
 - d) Three folders are then shown for the installation media: client, server and jdk.
3. To install the SIMSS Client:
 - a) Click on the Client folder.
 - b) From within the Client folder, double click on the Setup icon.
 - c) The screen will be filled with a SIMSS Client background and a smaller window with the title "Welcome to SIMSS Client 7" will appear. Click on the Next button to proceed to the next step.
 - d) The next window will contain the licensing agreement. Click on Yes to accept the agreement and proceed.
 - e) After all of the files are copied, a window with the title "Setup Complete" will appear. Click on the Finish button to end.
 - f) A "SIMSS Client 7" icon will now be installed on the desktop.
4. To install the SIMSS Server:
 - a) Click on the Server folder.
 - b) From within the Server folder, double click on the Setup icon
 - c) A window with the title "Run Window" will appear. Click on the Okay button to proceed to the next step.
 - d) The next window will contain the licensing agreement. Click on Yes to accept the agreement and proceed.
 - e) The screen will then be filled with a SIMSS Server background and a window with the title of "Welcome to SIMSS Server 7" will appear. Click the Next button to proceed.
 - f) Next a window will show the completion status as the files are copied. When the copying is complete click on the Next button to finish the installation.
 - g) A "SIMSS Server 7" icon will be installed on the desktop.

Load procedure for Generic Model Generator Prototype

1. Create a genmodel directory on the c:\ or d:\drive. (It is assumed that the JDK has been installed on the c:\ drive already.)
2. Install genmodel.zip in the genmodel directory.
3. Unzip the genmodel.zip file.
4. Edit the simss.bat file to modify the IP address to reflect your IP address. If performing this in the SOC, use the soc_simss.bat file and enter the SOC IP address (172.16.1.nn).

Instructions for configuring Apogee timing card

1. Apogee timing card is ISA card thus user must assign IRQ number manually.
2. Apogee timing card driver is provided in installation CD located in directory :/apogee. Select the 'setup' option from the Installation Shield menu. Setup will take few minutes to configure the system. Once setup is complete, you may use any MS configuration utility to configure the Apogee card.
3. The configuration menu will provide steps through assigning IRQ number. The menu will provide available IRQ numbers in the system. User can select any available IRQ.
4. Reboot the system.